

(FILE 'USPAT' ENTERED AT 14:46:30 ON 23 JUN 1999)
L1 1023 S VIRTUAL()REALITY
L2 241 S ABSTRACT() (DATA OR INFORMATION)
L3 250 S WIDGET#
L4 QUE MATHEMATICAL() FORMULA# OR POLYGON#
L5 10 S L1 AND L2
L6 9 S L1 AND L3
L7 QUE MEDICAL OR SURG?
L8 14171 S SPORTS
L9 9031 S DEFENSE OR DEFENCE
L10 124 S L1 AND L4
L11 37 S L10 AND (L7 OR L8 OR L9)
L12 33 S L11 NOT L5
L13 33 S L12 NOT L6
L14 28 S L1 AND L9
L15 26 S L14 NOT L5
L16 26 S L15 NOT L6
L17 22 S L16 NOT L11

=> d l13 1-

1. 5,907,395, May 25, 1999, Optical fiber probe for position measurement; Waldean A. Schulz, et al., 356/139.03, 141.5, 375; 600/476; 606/130 [IMAGE AVAILABLE]
2. 5,898,435, Apr. 27, 1999, Image controlling device and image controlling method; Junichi Nagahara, et al., 345/352, 339, 353, 355, 977 [IMAGE AVAILABLE]
3. 5,884,239, Mar. 16, 1999, Optical system for accurate monitoring of the position and orientation of an object; Carl J. Romanik, Jr., 702/150; 345/158; 356/375; 702/153 [IMAGE AVAILABLE]
4. 5,877,778, Mar. 2, 1999, Method and system to generate a complicated computer animation by using a combination of basic motion units; Douglas Eric Dow, et al., 345/474 [IMAGE AVAILABLE]
5. 5,852,672, Dec. 22, 1998, Image system for three dimensional, 360 DEGREE, time sequence surface mapping of moving objects; Shin-Yee Lu, 382/154; 356/376; 382/254 [IMAGE AVAILABLE]
6. 5,850,229, Dec. 15, 1998, Apparatus and method for geometric morphing; Herbert Edelsbrunner, et al., 345/473, 423, 425, 953, 955; 382/276 [IMAGE AVAILABLE]
7. 5,844,824, Dec. 1, 1998, Hands-free, portable computer and system; Edward G. Newman, et al., 364/708.1; 708/141 [IMAGE AVAILABLE]
8. 5,841,441, Nov. 24, 1998, High-speed three-dimensional texture mapping systems and methods; David A. Smith, 345/430 [IMAGE AVAILABLE]
9. 5,840,024, Nov. 24, 1998, Endoscope form detecting apparatus in which coil is fixedly mounted by insulating member so that form is not deformed

10. 5,821,933, Oct. 13, 1998, Visual access to restricted functions represented on a graphical user interface; Neal Martin Keller, et al., 345/348, 327, 332; 707/9 [IMAGE AVAILABLE]

11. 5,809,322, Sep. 15, 1998, Apparatus and method for signal processing; Avidan Akerib, 712/14; 710/33; 712/19 [IMAGE AVAILABLE]

12. 5,805,140, Sep. 8, 1998, High bandwidth force feedback interface using voice coils and flexures; Louis B. Rosenberg, et al., 345/161, 156 [IMAGE AVAILABLE]

13. 5,802,220, Sep. 1, 1998, Apparatus and method for tracking facial motion through a sequence of images; Michael J. Black, et al., 382/276, 100, 293 [IMAGE AVAILABLE]

14. 5,782,762, Jul. 21, 1998, Method and system for producing interactive, three-dimensional renderings of selected body organs having hollow lumens to enable simulated movement through the lumen; David J. Vining, 600/407; 128/920; 345/419, 420; 382/131 [IMAGE AVAILABLE]

15. 5,781,704, Jul. 14, 1998, Expert system method of performing crime site analysis; Darcy Kim Rossmo, 706/45; 705/1; 706/50 [IMAGE AVAILABLE]

16. 5,774,591, Jun. 30, 1998, Apparatus and method for recognizing facial expressions and facial gestures in a sequence of images; Michael J. Black, et al., 382/236, 118 [IMAGE AVAILABLE]

17. 5,769,640, Jun. 23, 1998, Method and system for simulating medical procedures including **virtual reality** and control method and system for use therein; Charles J. Jacobus, et al., 434/262, 272 [IMAGE AVAILABLE]

18. 5,768,415, Jun. 16, 1998, Apparatus and methods for performing electronic scene analysis and enhancement; Hosagrahar Visvesvaraya Jagadish, et al., 382/154; 345/419; 348/578 [IMAGE AVAILABLE]

19. 5,767,839, Jun. 16, 1998, Method and apparatus for providing passive force feedback to human-computer interface systems; Louis B. Rosenberg, 345/161, 156, 157 [IMAGE AVAILABLE]

20. 5,759,044, Jun. 2, 1998, Methods and apparatus for generating and processing synthetic and absolute real time environments; Scott Redmond, 434/307R; 340/825.06; 348/383; 434/365 [IMAGE AVAILABLE]

21. 5,748,199, May 5, 1998, Method and apparatus for converting a two dimensional motion picture into a three dimensional motion picture; Charles S. Palm, 345/473, 419, 433; 352/50 [IMAGE AVAILABLE]

22. 5,731,804, Mar. 24, 1998, Method and apparatus for providing high bandwidth, low noise mechanical I/O for computer systems; Louis B. Rosenberg, 345/156, 161 [IMAGE AVAILABLE]

23. 5,729,475, Mar. 17, 1998, Optical system for accurate monitoring of the position and orientation of an object; Carl J. Romanik, Jr., 702/150; 345/158; 356/375; 702/153 [IMAGE AVAILABLE]

24. 5,704,837, Jan. 6, 1998, Video game steering system causing translation, rotation and curvilinear motion on the object; Goro Iwasaki, et al., 463/38, 2, 50 [IMAGE AVAILABLE]

25. 5,659,493, Aug. 19, 1997, Virtual machining techniques for modifying

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Set      Items      Description
S1      33284      VIRTUAL() REALITY
S2      12965      S1 NOT PD>950930
S3      1755       S2 NOT PD>920930
S4      292        PAUL() MARSHALL
S5      1747       S3 NOT S4
S6      254        S5 AND (STOCK? ? OR BOND? ? OR EQUITIES OR SECURITIES OR D-
          ERIVATIVE? ? OR OPTION? ? OR TRADING OR TRADERS)
S7      43         (TRADING OR TRADERS) AND S6
S8      31         RD S7 (unique items)
? t s8/6,ti,pd/1-end
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>>>'END' not recognized as item list
? t s8/6,ti,pd/all
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8/6, TI, PD/1 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00727230 93-76451
The Information Technology Revolution
Jul/Aug 1992

8/6, TI, PD/2 (Item 2 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00725539 93-74760
Virtual Reality on the Trading Desk
Feb 1992

8/6, TI, PD/3 (Item 3 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00725221 93-74442
The Shape of Things to Come
Apr 1992

8/6, TI, PD/4 (Item 4 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00636031 92-50971
The Dos and Don'ts of DISE
Sep 1992

8/6, TI, PD/5 (Item 5 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00633578 92-48518
Dialog's Finder Files: What Will You Find? What Will You Miss?

Sep 1992

8/6, TI, PD/6 (Item 6 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00536609 91-10953
The World of Virtual Reality
Feb 1991

8/6, TI, PD/7 (Item 1 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

04090769
\$11 million IMAX complex set for Sydney
September 28, 1992
WORD COUNT: 229

8/6, TI, PD/8 (Item 2 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

04022789
Japan: Sumitomo To Sell **Virtual Reality** Game Machine 09/10/92
September 10, 1992
WORD COUNT: 252

8/6, TI, PD/9 (Item 3 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03714905
VIRTUAL REALITY
March 13, 1992
WORD COUNT: 653

8/6, TI, PD/10 (Item 4 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03621992
Japan: Sega Opening Futuristic Game Park 02/17/92
February 17, 1992
WORD COUNT: 192

8/6, TI, PD/11 (Item 5 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03266097
MICO Forms Ties with US **Virtual Reality** Equipment Maker
July 23, 1991
WORD COUNT: 142

8/6, TI, PD/12 (Item 6 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

02667068
AUTODESK: A SUCCESS STORY
July 23, 1990
WORD COUNT: 1421

8/6, TI, PD/13 (Item 1 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

06106256 SUPPLIER NUMBER: 12513646 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Minigrams.
August 5, 1992
WORD COUNT: 2471 LINE COUNT: 00212

8/6, TI, PD/14 (Item 2 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

06103751 SUPPLIER NUMBER: 12531857 (USE FORMAT 7 OR 9 FOR FULL TEXT)
VSDA convention-goers look to the future of video. (1992 Video Software
Dealers Association annual convention) (Video Sell-Through)
July 20, 1992
WORD COUNT: 2469 LINE COUNT: 00201

8/6, TI, PD/15 (Item 3 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05929181 SUPPLIER NUMBER: 11838805 (USE FORMAT 7 OR 9 FOR FULL TEXT)
What's ahead in hospitality design.
Jan, 1992
WORD COUNT: 1985 LINE COUNT: 00170

8/6, TI, PD/16 (Item 4 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05844700 SUPPLIER NUMBER: 12141655 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reality check. (~~stock~~ price recovery of computer software company
Autodesk Inc.) (Follow-Through) (Brief Article)
April 27, 1992
WORD COUNT: 132 LINE COUNT: 00009

8/6, TI, PD/17 (Item 5 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05834933 SUPPLIER NUMBER: 11871472 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1991: The year in review. (Editorial)
Jan, 1992
WORD COUNT: 2790 LINE COUNT: 00226

8/6, TI, PD/18 (Item 6 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05831646 SUPPLIER NUMBER: 12103131 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Summer 1992 hardcovers. (New Books for Summer 1992) (tabular information
only)
March 30, 1992
WORD COUNT: 23989 LINE COUNT: 02013

8/6, TI, PD/19 (Item 7 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05822752 SUPPLIER NUMBER: 12070699 (USE FORMAT 7 OR 9 FOR FULL TEXT)

High-tech talk. (electronic data processing in banking)
March-April, 1992
WORD COUNT: 1543 LINE COUNT: 00124

8/6, TI, PD/20 (Item 8 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05521280 SUPPLIER NUMBER: 11510388 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fast money. (Special Report on **trading** systems) (includes a related
article on financial software for **stock traders**)
Oct 17, 1991
WORD COUNT: 2020 LINE COUNT: 00163

8/6, TI, PD/21 (Item 9 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05518402 SUPPLIER NUMBER: 11466662 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The online games people play. (The World of Electronic Games)
Nov, 1991
WORD COUNT: 2311 LINE COUNT: 00173

8/6, TI, PD/22 (Item 10 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05494497 SUPPLIER NUMBER: 11459315 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Making sense of the information age. (key to understanding in development
of multilmedia, **virtual reality** and data visualization)
Sept 5, 1991
WORD COUNT: 2161 LINE COUNT: 00174

8/6, TI, PD/23 (Item 11 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

02970149 SUPPLIER NUMBER: 04369813 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New man, new times; American Business Conference taps Bill Lilly.
Sept 15, 1986
WORD COUNT: 807 LINE COUNT: 00064

8/6, TI, PD/24 (Item 1 from file: 485)
DIALOG(R)File 485:(c) 1999 UMI. All rts. reserv.

00368210
Multimedia: The Impact on the Accounting Profession
Summer 1992
WORD COUNT: 2228 LINE COUNT: 203

8/6, TI, PD/25 (Item 2 from file: 485)
DIALOG(R)File 485:(c) 1999 UMI. All rts. reserv.

00357639
IT - The Road Ahead
Jun 1992
WORD COUNT: 1132 LINE COUNT: 103

8/6, TI, PD/26 (Item 1 from file: 635)
DIALOG(R)File 635:(c) 1999 UMI. All rts. reserv.

0325285 92-74406
The Business of Games
PUBL DATE: 920911

8/6, TI, PD/27 (Item 2 from file: 635)
DIALOG(R) File 635:(c) 1999 UMI. All rts. reserv.

0317712 92-65584
Virtual Reality': Sci-Fi Technology on Verge of Billion-Dollar Boom
PUBL DATE: 920816

8/6, TI, PD/28 (Item 3 from file: 635)
DIALOG(R) File 635:(c) 1999 UMI. All rts. reserv.

0259455 92-05729
It's a Big Game: Sega's Genesis Takes on Nintendo for Yule Sales
PUBL DATE: 911219

8/6, TI, PD/29 (Item 4 from file: 635)
DIALOG(R) File 635:(c) 1999 UMI. All rts. reserv.

0148258 90-31297
Warp Speed Into Cyberspace: UW Lab Hopes to Go Where No One Has Ever Gone Before
PUBL DATE: 900618

8/6, TI, PD/30 (Item 1 from file: 636)
DIALOG(R) File 636:(c) 1999 The Gale Group. All rts. reserv.

01709300
Ed. on EDI and the Hyperworld
July 00, 1992
WORD COUNT: 604

8/6, TI, PD/31 (Item 2 from file: 636)
DIALOG(R) File 636:(c) 1999 The Gale Group. All rts. reserv.

01376427
FINANCIAL APPLICATIONS OF VIRTUAL REALITY
January 00, 1992
WORD COUNT: 2326